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Archæology and Ethnology.

Mr. Clarence B. Moore has placed on exhibition in this department the material obtained on his expeditions during the year.

Two additional exhibition cases were obtained by the William S. Vaux Fund for the display of the European archæological material in that collection, chiefly from Scandinavia and Switzerland.

Miss H. N. Wardle has cared for the collections during the year and rearranged portions of the display, preparing a number of new labels.

Besides the material in the Vaux collection, the specimens in the Gottschall collection from the Frazer and Thompson Rivers, B. C., and from Washington, Oregon, Montana, and the Shasta tribes of California, have been catalogued and displayed.

A rearrangement of some of the cases has added much-needed floor space and given uniformity of aspect.

Curators { Witmer Stone, *Chairman.*
Samuel G. Dixon.
Henry A. Pilsbry.
Henry Tucker.

Report of the Curator of the William S. Vaux Collections.

During past year new cases have been purchased and installed, under the supervision of the Curators of the Academy, for the display of the archæological collection.

There have been few accessions to the mineral collection, as it has been considered advisable to defer any extensive purchases until the completion of the contemplated rearrangement.

Respectfully submitted,

F. J. Keeley, *Curator Wm. S. Vaux Collection.*

REPORTS OF THE SECTIONS.

Biological and Microscopical Section.—The Section has held seven stated meetings during the year, with the usual attendance.

A serious loss to our membership is the death of Dr. Benjamin Sharp, whose coöperation for many years is remembered gratefully. Suitable resolutions have been spread upon the Minutes.

Communications on the favorite subjects of investigation by different members have been numerous. Among those contributing

are the following: J. Cheston Morris, T. Chalkley Palmer, Frank J. Keeley, Thomas S. Stewart, Hugo Bilgram, and Charles S. Boyer.

At the annual election of officers, the following were chosen for the year 1916:

Director.....J. Cheston Morris,
Vice-Director.....T. Chalkley Palmer.
Recorder.....Charles S. Boyer.
Treasurer.....Thomas S. Stewart,
Conservator.....Frank J. Keeley.
Corresponding Secretary.....Silas L. Schumo.

CHARLES S. BOYER, *Recorder.*

ENTOMOLOGICAL SECTION.—The meetings of the Section have been well attended during the year and the communications made have been published. A large amount of valuable material has been added to the collection. Two members and a contributor have been elected. At a meeting held December 13 the following officers were elected to serve for the ensuing year:

Director.....Philip Laurent.
Vice-Director.....R. C. Williams.
Treasurer.....Ezra T. Cresson.
Secretary.....J. A. G. Rehn.
Recorder.....E. T. Cresson, Jr.
Publication Committee.....E. T. Cresson,
Philip P. Calvert,
E. T. Cresson, Jr.

HENRY SKINNER, *Recorder.*

BOTANICAL SECTION.—The Conservator spent most of February and March in Porto Rico in company with Dr. and Mrs. N. L. Britton, of the New York Botanical Garden, and Prof. John F. Cowell, of the Buffalo Botanical Garden. Sets of more than 2,500 herbarium numbers were collected, in addition to many living plants for the gardens. The Academy has received its share of the collections, which is being prepared for the general series. Other important additions are a number of New England plants collected by Mr. Bayard Long and Prof. M. L. Fernald.

More than 3,000 sheets of plants, received from various members of the Philadelphia Botanical Club, have been mounted for the local herbarium by Mr. S. S. Van Pelt.

A detailed list of accessions to the herbarium will be found in the Additions to the Museum.

The Conservator wishes to record his appreciation of the valuable assistance rendered, during his absence through illness, by Mr. Bayard Long in caring for certain details of the work of the herbarium.

Miss Ada Allen has continued her services during the year as aid in the herbarium.

The American Fern Society held its meeting in the herbarium of the Academy, December 28 and 29. On the evening of December 31 the Section gave a reception and smoker to the botanists attending the meetings of the American Association for the Advancement of Science, when we had the pleasure of welcoming more than 200 visitors in the herbarium. The occasion afforded many their first opportunity of examining the collections.

The following officers of the Section have been elected for the ensuing year:

Director.....Benjamin H. Smith.
Vice-Director.....Joseph Crawford.
Recorder.....John W. Eckfeldt, M.D.
Treasurer and Conservator.....Stewardson Brown.

Respectfully submitted,

STEWARDSON BROWN, *Conservator.*

MINERALOGICAL AND GEOLOGICAL SECTION.—The Section held four meetings, with about the usual average attendance.

Communications were made by Thomas C. Brown, on the Geology and Fossil Corals of Jefferson County, Kentucky, and on the Shawangunk and Green Pond Conglomerate; and by F. Lynwood Garrison, on Alluvial Gold Deposits in Alaska and elsewhere. Other subjects of geological or mineralogical interest were discussed.

There were three field excursions, with an average attendance of seventeen. The parties visited: (1) The crystalline rocks and their minerals between Avondale and Morgan Station, Delaware County; (2) the New Red Norristown Shales and No. 11 Limestone in Buckingham Township, Bucks County; (3) the gneiss and its minerals near Crum Creek, Delaware County.

The following officers of the Section have been elected for the year 1916:

Director.....Benjamin Smith Lyman.
Vice-Director.....F. J. Keeley.
Recorder and Secretary.....S. L. Schumo.
Treasurer.....William B. Davis.
Conservator.....George Vaux, Jr.

Respectfully submitted by order of the Section,
BENJ. SMITH LYMAN, *Director*.

ORNITHOLOGICAL SECTION.—The Section has maintained an active interest in the ornithological department of the Academy and in furthering study in this branch of science.

The Pennsylvania Audubon Society and Delaware Valley Ornithological Club have been encouraged to hold their meetings at the Academy and in this way many persons interested in bird study have come into closer relation with the society, resulting in important additions to the collection and in the acquisition of important data.

At the annual meeting of the Section the following officers were elected for the ensuing year:

Director.....Spencer Trotter.
Vice-Director.....George Spencer Morris.
Recorder.....Stewardson Brown.
Secretary.....William A. Shryock.
Treasurer and Conservator.....Witmer Stone.

Respectfully submitted,
WITMER STONE, *Conservator*.

The annual election of Officers, Councillors, and Members of the Committee on Accounts was held December 21, with the following result:

PRESIDENT.....Samuel G. Dixon, M.D., LL.D.
VICE-PRESIDENTS.....Edwin G. Conklin, Ph.D.,Sc.D.,
John Cadwalader, A.M.
RECORDING SECRETARY.....Edward J. Nolan, M.D.
CORRESPONDING SECRETARY.....J. Percy Moore, Ph.D.
TREASURER.....George Vaux, Jr.
LIBRARIAN.....Edward J. Nolan, M.D.
CURATORS.....Samuel G. Dixon, M.D., LL.D.,
Henry A. Pilsbry, Sc.D.,
Witmer Stone, A.M., Sc.D.,
Henry Tucker, M.D.

COUNCILLORS TO SERVE THREE YEARS	Philip P. Calvert, Ph.D.,
	Frank J. Keeley,
	Walter Horstmann,
	William Pepper, M.D.
COMMITTEE ON ACCOUNTS	Charles Morris,
	Samuel N. Rhoads,
	John G. Rothermel,
	Thomas S. Stewart, M.D.,
	Walter Horstmann.

COUNCIL FOR 1916.

Ex-Officio.—Samuel G. Dixon, M.D., LL.D., Edwin G. Conklin, Ph.D., John Cadwalader, A.M., Edward J. Nolan, M.D., J. Percy Moore, Ph.D., George Vaux, Jr., Henry A. Pilsbry, Sc.D., Witmer Stone, A.M., Sc.D., Henry Tucker, M.D.

To serve three years.—Philip P. Calvert, Ph.D., Frank J. Keeley, Walter Horstmann, William Pepper, M.D.

To serve two years.—Charles B. Penrose, M.D., LL.D., Ph.D., Charles Morris, Spencer Trotter, M.D., William E. Hughes, M.D.

To serve one year.—Edwin S. Dixon, Henry Skinner, M.D., Sc.D., Robert G. LeConte, M.D., George Spencer Morris.

COUNCILLOR	George Vaux, Jr.
CURATOR OF MOLLUSCA	Henry A. Pilsbry, Sc.D.
CURATOR OF WILLIAM S. VAUX COLLECTIONS	Frank J. Keeley.
CUSTODIAN OF ISAAC LEA COLLECTION	Joseph Willcox.
ASSISTANT LIBRARIAN	William J. Fox.
ASSISTANTS TO CURATORS	Henry Skinner, M.D., Sc.D.,
	Stewardson Brown,
	J. Percy Moore, Ph.D.,
	Edward G. Vanatta,
	Henry W. Fowler,
	James A. G. Rehn,
	Ezra T. Cresson, Jr.
ASSISTANT IN LIBRARY	Furman Sheppard Wilde.
AID IN ARCHÆOLOGY	Harriet Newell Wardle.
AID IN HERBARIUM	Ada Allen.
Taxidermist	David M. McCadden.